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Declass Review by NGA.

FY-68

QUARTERLY REPORT

No. 2

30 November 1967

(1 September 1967 - 30 November 1967)

Prepared by:

[Redacted Signature Box]

25X1

Approved by:

[Redacted Signature Box]

Date: 26 December 1967

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30 Nov 67

PROGRAM OBJECTIVE

To investigate through studies, tests, and the fabrication and use of engineering breadboard equipment, new methods or devices which will further the state-of-the-art in photographic techniques and practices as it pertains to improved extraction of collected intelligence information from photographic materials.

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SUMMARY

25X1 1. This Contract FY-68 Quarterly Report No. 2 is submitted in lieu of the November 1967 Monthly Report and covers progress for the months of September, October, and November 1967.

2. Detailed reports on approved, active PARs are found in Section II of this report.

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SECTION I

INTRODUCTION

SECTION II

PAR PROGRESS

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Contract
FY-68 Quarterly Report No. 2

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PAR 243A
30 Nov 67

SUBJECT: Briefing Print Enlarger (Prototype)

TASK/PROBLEM

1. Design, fabricate, and test a prototype briefing print enlarger (BPE) based upon tests and observations of the breadboard equipment developed on the combined PAR 202/224.

DISCUSSION

2. The final report on PAR 243A, Briefing Print Enlarger (Prototype) was transmitted to the customer on 22 September 1967. Preliminary copies of the Operational Manual were shipped with the BPE prototype model, for review and approval. The approved version of the Operational Manual, completed under a separate contract, was delivered on 10 November 1967 with the first of seven additional BPEs, also completed under separate contract.

PLANNED ACTIVITY

3. Delivery of the final report constituted completion of this PAR.
4. Fabricate the six BPEs remaining on the separate contract.

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PAR 244

30 Nov 67

SUBJECT: Spare Parts for RT Processors

TASK/PROBLEM

1. Provide recommended spare parts for the RT-12 and RT-24 Processors.

DISCUSSION

2. A final shipment of parts was made to the customer on 21 November 1967; it contained the balance of all unshipped parts.

PLANNED ACTIVITY

3. As no final report is required on this project, the final parts shipment therefore constituted completion of this PAR.

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PAR 245

30 Nov 67

SUBJECT: BPE High-Magnification Lens Sets

TASK/PROBLEM

1. Design, fabricate, and test prototype optical systems to extend the Briefing Print Enlarger (prototype) PAR 243A upper limit magnification range from 60X to 140X - 160X.

DISCUSSION

2. Lens performance tests were conducted on the Briefing Print Enlarger breadboard at the contractor's facility using breadboard condenser assemblies.

3. The opportunity arose to mount the lenses and deliverable condenser assemblies on Briefing Print Enlarger Serial No. 101* during its checkout here. As a result, it was also possible to check condenser alignment, field illumination uniformity, and resolution.

4. The lenses and deliverable condenser assemblies and the storage cabinet complete with molded drawer liners were delivered to the customer, installed on the prototype Briefing Print Enlarger, aligned, checked out, and accepted by the customer on 30 November 1967.

PLANNED ACTIVITY

5. Prepare and transmit the final report.

* The first one of the production models being built under a separate contract from the BPE prototype model.

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PAR 246

30 Nov 67

SUBJECT: RT-12 and RT-24 Operation Improvements

TASK/PROBLEM

1. Conduct necessary design, fabrication, and test effort to implement operational improvements to the RT-12-inch and RT-24-inch Processors as requested by the customer.

DISCUSSION

2. During the previous quarter, a customer representative visited the contractor's plant and requested estimates on the cost of:

- a. Miscellaneous processor replacement parts
- b. Labor, travel, and subsistence required to (1) replace the dryer drum, (2) remove the impingement dryer from the RT-24 Processor, and (3) replace the circuit breaker.

c. Engineering effort to upgrade the RT-12 Rack drawings in the event that polyethylene-covered rack rolls without sprocket teeth became a permanent feature.

3. Also during the previous quarter, contractor personnel visited the customer's facility in July 1967 to discuss the proposed removal of the impingement dryer and problems associated with the modified rack drive. The estimate above was submitted and approved by the customer.

4. During the present quarter, all necessary parts have either been ordered or are being fabricated, and delivery to the customer is scheduled for early December 1967.

5. With respect to processor replacement parts, stainless-steel studs and nuts which were requested by the customer were shipped on 31 October 1967; the remaining parts are still scheduled for delivery to the customer by early December 1967.

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PAR 246

30 Nov 67

PLANNED ACTIVITY

6. Undertake the following tasks:
 - a. Replace the dryer drum.
 - b. Remove the impingement dryer from the RT-24 Processor.
 - c. Replace the circuit breaker.
7. Continue to make improvements and investigate problem areas as requested by the customer.

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PAR 247

30 Nov 67

SUBJECT: Base Spare Parts Kit

TASK/PROBLEM

1. Provide one base spare parts kit for two Briefing Print Enlargers (PAR 243A).

DISCUSSION

2. The estimate for fabricating one base spare parts kit under this PAR was based on the fact that, at the same time, seven spare parts kits would be fabricated under a separate contract. Authorization to proceed under the separate contract was received in customer message 3324 on 6 November 1967. Since that time, some of the drawings have been released for fabrication and/or purchase of parts.

PLANNED ACTIVITY

3. Release all remaining drawings for purchase and/or fabrication of parts for this project.

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FY-68 Quarterly Report No. 2

PAR 248

30 Nov 67

SUBJECT: BPE High-Magnification Lens Set

TASK/PROBLEM

1. Provide one high-magnification lens set (PAR 245) to increase the magnification range of a briefing print enlarger (PAR 243A) at the customer's facility.

DISCUSSION

2. Activity on this project was not started until November because the estimate for fabrication of the lens set under this PAR was based on the fact that at the same time, a second lens set for another contract would be fabricated. The authorization to proceed under the separate contract was received in customer message 3324 on 6 November 1967. Drawings are now being released for fabrication and/or purchase of parts.

PLANNED ACTIVITY

3. Complete the release of all drawings for purchase and/or fabrication of parts for this project.

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SECTION III

FISCAL SUMMARY

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16 November 1967

Dear Ray:

Enclosed herewith are five (5) copies of the following report
(classified SECRET):

Contract



Monthly Report - 1 October through
31 October 1967.

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RRW:ef


R. R. W.

Copies to: RS w/enc. (AL-47-700431-1 thru 5)
JP w/enc. (AL-47-700431-6)